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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/509,752	09/30/2004	Norifumi Hasegawa	KON-C483	8308
7550 GAT82008 George A. Loud, Esquire BACON & THOMAS Fourth Floor G25 Staters I ane			EXAMINER	
			NGUYEN, KHANH TUAN	
			ART UNIT	PAPER NUMBER
Alexandria, VA 22314-1176			1796	
			MAIL DATE	DELIVERY MODE
			03/18/2008	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Application No. Applicant(s) 10/509,752 HASEGAWA, NORIFUMI Office Action Summary Examiner Art Unit KHANH T. NGUYEN 1796 -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --Period for Reply A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS. WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b). Status 1) Responsive to communication(s) filed on RCE filed on 02/15/2008. 2a) ☐ This action is FINAL. 2b) This action is non-final. 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213. Disposition of Claims 4) Claim(s) 1-3 and 5-27 is/are pending in the application. 4a) Of the above claim(s) _____ is/are withdrawn from consideration. 5) Claim(s) 8-18.21.22.24 and 27 is/are allowed. 6) Claim(s) 1-3, 4-7, 19, 20, 23, 25, and 26 is/are rejected. 7) Claim(s) 23 and 25 is/are objected to. 8) Claim(s) _____ are subject to restriction and/or election requirement. Application Papers 9) The specification is objected to by the Examiner. 10) The drawing(s) filed on is/are; a) accepted or b) objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abevance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152. Priority under 35 U.S.C. § 119 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. Attachment(s) 1) Notice of References Cited (PTO-892) 4) Interview Summary (PTO-413) Paper No(s)/Mail Date. Notice of Draftsherson's Patent Drawing Review (PTO-948) Notice of Informal Patent Application 3) Information Disclosure Statement(s) (PTO/SB/08)

Paper No(s)/Mail Date _

6) Other:

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DETAILED ACTION

Continued Examination Under 37 CFR 1.114

- 1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 02/15/2008 has been entered.
- The amendment filed on 02/15/2008 is entered and acknowledged by the
 Examiner. Claims 1-3, 5-25 and newly added claims 26-27 are currently pending in the
 instant application. Claim 4 has been cancelled.

Terminal Disclaimer

3. The terminal disclaimer filed on 01/16/2008 disclaiming the terminal portion of any patent granted on this application which would extend beyond the expiration date of U.S. Patent No. 7,160,837 has been reviewed and is accepted. The terminal disclaimer has been recorded. Application/Control Number: 10/509,752 Page 3

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Withdrawn Rejections

4. The rejection of claims 1-11 and 19-25 are rejected under 35 U.S.C. 102(b) as being anticipated by Vanderborgh et al. (U.S Pat. 4,804,592) and the rejection of claims 12-18 are rejected under 35 U.S.C. 102(b) as being anticipated by Chen et al. (U.S. Patent No. 6,187,157) are withdrawn in view of applicant's amendments to the pending claims and in view of the persuasive arguments traversing those rejections.

Claim Objections

5. Claims 23 and 25 are objected to under 37 CFR 1.75(c), as being of improper dependent form for failing to further limit the subject matter of a previous claim.
Applicant is required to cancel the claim(s), or amend the claim(s) to place the claim(s) in proper dependent form, or rewrite the claim(s) in independent form. Claim 23 is identical to claim 25.

Claim Rejections - 35 USC § 102

6. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application

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by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

The changes made to 35 U.S.C. 102(e) by the American Inventors Protection Act of 1999 (AIPA) and the Intellectual Property and High Technology Technical Amendments Act of 2002 do not apply when the reference is a U.S. patent resulting directly or indirectly from an international application filed before November 29, 2000. Therefore, the prior art date of the reference is determined under 35 U.S.C. 102(e) prior to the amendment by the AIPA (pre-AIPA 35 U.S.C. 102(e)).

 Claims 1-3, 4-7, 19, 20, 23, 25, and 26 are rejected under 35 U.S.C. 102(e) as being anticipated by Chisholm et al. (U.S. Pat. 6,468,684 B1 hereinafter, "Chisholm").

Chisholm teaches a membrane useful in electrochemical device comprising of solid acid material (i.e. inorganic proton conductor) contains phosphorus or sulfur compound (Col. 3, line to Col. 4, line 42) mixed with Ag, Au or Cu (noble metal catalyst) and an electronically conductivity material such as poly(aniline) (Col. Col. 8, lines 46-57) then polymerized to obtain membrane is capable of conducting both protons and electrons (Col. 3, lines 15-22; Col. 7, lines 61-64; Examples 10-13). The polymerization of the components inherently affixed the inorganic proton conducting material and portions of electron conducting polymer by at least covalent bonding, intercalation or inclusion. Chisholm further teaches the said membrane exhibiting both electrons and proton conductivity at elevated temperatures, e.g., temperature over 100 °C (Col. 4, lines 44-51). The phases "formed by" or "obtained by" rendered the claims as product-

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by-process claims and are not limited to the manipulations of the recited steps, only the structure limited by the steps. Therefore, the patentability of the product does not depend on its method of production and the claimed steps were not given patentable weight.

The reference specifically or inherently meets each of the claimed limitations in their broadest interpretations. The reference is anticipatory.

Allowable Subject Matter

Claims 8-18, 21, 22, 24 and 27 are allowed.

Conclusion

 Any inquiry concerning this communication or earlier communications from the examiner should be directed to KHANH T. NGUYEN whose telephone number is (571)272-8082. The examiner can normally be reached on Monday-Friday 8:00-5:00 EST PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Randy Gulakowski can be reached on (571) 272-1302. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Mark Kopec/ Primary Examiner, Art Unit 1796

/KTN/ 03/10/2008